

7-22-02

2652
8-01-02

Please type a plus sign (+) inside this box

→ +

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**TRANSMITTAL
FORM**

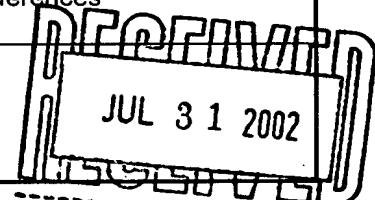
JUL 8 2002

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

		Application Number	09/943,859
		Filing Date	Aug 30, 2001
		First Named Inventor	Kyusik Sin
		Group Art Unit	2652
		Examiner Name	JUL 29 2002
Total Number of Pages in This Submission		4	Attorney Docket Number
			1012-003 Technology Center 2600

RECEIVED

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> PTO-1449 form
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Acknowledgement Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> 5 Cited References
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks:		

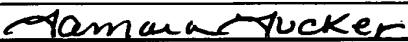


SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Mikio Ishimaru
Signature	
Date	July 18, 2002

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date below:

Type or printed name	Tamara Tucker		
Signature		Date	July 18, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

O I P E JCA
JUL 18 2002
PATENT & TRADEMARK OFFICE
Docket No.: 1012-003
Express Mail Label No.: EV025390707US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of: Kyusik Sin, et al. : Confirmation No.: 2190
Serial No.: 09/943,859 : Group Art Unit: 2652
Filed: Aug 30, 2001 : Examiner:
For: SPIN-DEPENDENT TUNNELING
READ/WRITE SENSOR FOR HARD
DISK DRIVES

Commissioner for Patents
Washington, D.C. 20231

RECEIVED

JUL 29 2002

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Dear Sir or Madam:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97, and 1.98 Applicants submit herewith patents, publications, or other information of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. The attention of the Patent and Trademark Office is hereby directed to the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is submitted:

under 37 CFR 1.97(b), or
(within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits: whichever occurs last)

under 37 CFR 1.97(c) together with either a:
 Statement under 37 CFR 1.97(e), or
 a \$180.00 fee under 37 CFR 1.17(p), or
(after the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

under 37 CFR 1.97(d) together with a:
 Statement under 37 CFR 1.97(e), and
 a \$180.00 fee under 37 CFR 1.17(i).
(filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge the sum of \$0.00 to Deposit Account 50-0374. The Commissioner is hereby authorized to charge payment of any fees required or credit any overpayment, to Deposit Account No. 50-0374 at any time during the pendency of this application.

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form-1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO-1449 and is enclosed herewith.

Respectfully submitted,

Mikio Ishimaru

Mikio Ishimaru
Registration No. 27,449
Date: July 18, 2002
Telephone No.: (408) 738-0592